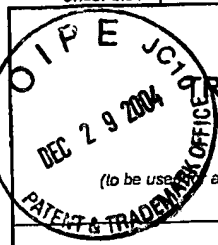


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 TRANSMITTAL FORM (to be used for all correspondence after initial filing)	Application Number	10/688,471
	Filing Date	10/16/2003
	First Named Inventor	Xing Xie
	Group Art Unit	2171
	Examiner Name	
Total Number of Pages in This Submission	Attorney Docket Number	MS1-1643US

ENCLOSURES (check all that apply)

<input checked="" type="checkbox"/> Fee Transmittal Form <input type="checkbox"/> Fee Attached <input type="checkbox"/> Amendment / Reply <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input checked="" type="checkbox"/> Information Disclosure Statement <input type="checkbox"/> Certified Copy of Priority Documents <input type="checkbox"/> Response to Missing Parts/Incomplete Application <input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53	<input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation <input type="checkbox"/> Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s)	<input type="checkbox"/> After Allowance Communication to Group <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to Group (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input checked="" type="checkbox"/> Other Enclosure(s) (please identify below): Fee transmittal; information disclosure statement; PTO form 1449; (37) cited references
Remarks		

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm or Individual Name	Brian G. Hart/Reg. No. 44,421
Signature	<i>Brian Hart</i>
Date	12.23.2004

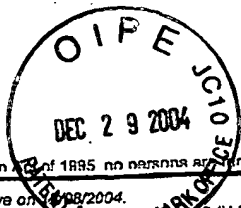
CERTIFICATE OF TRANSMISSION/MAILING

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Typed or printed name	Debra A. Fugitt
Signature	<i>Debra A Fugitt</i>
Date	12/27/04

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PTO/SB/17 (12-04)

Approved for use through 07/31/2006. OMB 0551-0032

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Effective on 12/09/2004.

Fees pursuant to the Consolidated Appropriations Act of 2005 (H.R. 4818).

FEE TRANSMITTAL
For FY 2005☐ Applicant claims small entity status. See 37 CFR 1.27TOTAL AMOUNT OF PAYMENT (\$)**0.00****Complete if Known**

Application Number	10/838,471
Filing Date	10/16/2003
First Named Inventor	Xie
Examiner Name	
Art Unit	2171
Attorney Docket No.	MS1-1643US

METHOD OF PAYMENT (check all that apply)☐ Check ☐ Credit Card ☐ Money Order ☐ None ☐ Other (please identify): _____☒ Deposit Account Deposit Account Number: 12-0769 Deposit Account Name: Lee & Hayes, PLLC

For the above-identified deposit account, the Director is hereby authorized to: (check all that apply)

☒ Charge fee(s) indicated below☐ Charge fee(s) indicated below, except for the filing fee☒ Charge any additional fee(s) or underpayments of fee(s) under 37 CFR 1.16 and 1.17☒ Credit any overpayments

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

FEE CALCULATION**1. BASIC FILING, SEARCH, AND EXAMINATION FEES**

Application Type	FILING FEES		SEARCH FEES		EXAMINATION FEES		Fees Paid (\$)
	Fee (\$)	Small Entity Fee (\$)	Fee (\$)	Small Entity Fee (\$)	Fee (\$)	Small Entity Fee (\$)	
Utility	300	150	500	250	200	100	
Design	200	100	100	50	130	65	
Plant	200	100	300	150	160	80	
Reissue	300	150	500	250	600	300	
Provisional	200	100	0	0	0	0	

2. EXCESS CLAIM FEES**Fee Description**

Each claim over 20 or, for Reissues, each claim over 20 and more than in the original patent	50	25
Each independent claim over 3 or, for Reissues, each independent claim more than in the original patent	200	100
Multiple dependent claims	360	180

Total Claims	Extra Claims	Fee (\$)	Fee Paid (\$)	Multiple Dependent Claims	Fee (\$)	Fee Paid (\$)
- 20 or HP =	x	50	=			
HP = highest number of total claims paid for, if greater than 20						
Indep. Claims	Extra Claims	Fee (\$)	Fee Paid (\$)			
- 3 or HP =	x	200	=			
HP = highest number of independent claims paid for, if greater than 3						

3. APPLICATION SIZE FEE

If the specification and drawings exceed 100 sheets of paper, the application size fee due is \$250 (\$125 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).

Total Sheets	Extra Sheets	Number of each additional 50 or fraction thereof	Fee (\$)	Fee Paid (\$)
- 100 =	/ 50 =	(round up to a whole number) x		

4. OTHER FEE(S)

Non-English Specification, \$130 fee (no small entity discount)

Other: Information Disclosure Statement

0.00

SUBMITTED BY

Signature

Brian Hart

Registration No. 44,421
(Attorney/Agent)

Telephone (509) 324-9256

Name (Print/Type)

Brian G. Hart

Date 12-23-2004

This collection of information is required by 37 CFR 1.136. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 30 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Serial No.10/688,471
Filing Date10/16/2003
Confirmation No.3070
InventorshipXing Xie
ApplicantMicrosoft Corporation
Group Art Unit2171
Examiner
Attorney's Docket No.MS1-1643US
Title: Automatic Browsing Path Generation to Present Image Areas with High
Attention Value as a Function of Space and Time

INFORMATION DISCLOSURE STATEMENT

References -- See Attached Form PTO-1449

REMARKS

The citations listed, copies attached, are submitted in compliance with the
duty of disclosure defined in 37 CFR §1.56. The Examiner is requested to make
these citations of official record in this application.

Respectfully Submitted,

Date: 12.23.2004

By: Brian G. Hart
Brian G. Hart
Reg. No. 44,421

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Substitute for form 1449A/PTO		Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>		Application Number	10/688,471
		Filing Date	10/16/2003
		First Named Inventor	Xie
		Art Unit	2171
		Examiner Name	
Sheet 1 of 5	Attorney Docket Number	MS1-1643US	

U.S. PATENT DOCUMENTS						
Examiner Initials'	Cite No. ¹	Document Number		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)				
		US- 5,442,633		08/15/1995	Perkins et al.	
		US- 5,530,963		06/25/1996	Moore et al.	
		US- 5,625,877		04/29/1997	Dunn et al.	
		US- 5,642,294		06/24/1997	Taniguchi et al.	
		US- 5,659,685		08/19/1997	Williams et al.	
		US- 5,745,190		04/28/1998	Ioka	
		US- 5,751,378		05/12/1998	Chen et al.	
		US- 5,774,593		06/30/1998	Zick et al.	
		US- 5,801,765		09/01/1998	Gothoh et al.	
		US- 5,835,163		11/10/1998	Liou et al.	
		US- 5,900,919		05/04/1999	Chen et al.	
		US- 5,911,008		06/08/1999	Nikkura et al.	
		US- 5,920,360		07/06/1999	Coleman Jr.	
		US- 5,959,697		09/28/1999	Coleman Jr.	
		US- 5,990,980		11/23/1999	Golin	
		US- 5,995,095		11/30/1999	Ratakonda	
		US- 6,462,754		10/08/2002	Chakraborty et al.	
		US- 2003/0152363		08/14/2003	Jeannin et al.	

FOREIGN PATENT DOCUMENTS						
Examiner Initials¹	Cite No.¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T²
		Country Code³–Number⁴–Kind Code ⁵(if known)				
		EP 1 168 840 A2	01/02/2002	Kabushiki Kaisha Toshiba		
		EP 1 123 915 A2	06/12/2002	Sony United Kingdom LTD		
		GB 2 356 080 A	05/09/2001	Sony United Kingdom LTD		

Examiner Signature		Date Considered	
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Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>			Complete if Known		
			Application Number	10/688,471	
			Filing Date	10/16/2003	
			First Named Inventor	Xie	
			Art Unit	2171	
			Examiner Name		
Sheet	2	of	5	Attorney Docket Number	MS1-1643US

U.S. PATENT DOCUMENTS						
Examiner Initials ¹	Cite No. ¹	Document Number		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)				
		US- 5,884,056		03/16/1999	Steele	
		US- 5,983,273		11/09/1999	White et al.	
		US- 6,166,735		12/26/2000	Dom et al.	
		US- 6,466,702		10/15/2002	Atkins et al.	
		US- 6,643,665		11/04/2003	Kimbell et al.	
		US- 2003/0237053		12/25/2003	Chen et al	
		US- 2002/0166123		11/07/2002	Schrader et al.	
		US- 2004/0040041		02/26/2004	Crawford	
		US- 2004/0078357		04/22/2004	LaChapelle et al.	1-2
		US- 2004/0078382		04/22/2004	Mercer et al,	1-2
		US- 2004/0078383		04/22/2004	Mercer et al.	1-2
		US-				1-5
		US-				1-1
		US-				1-1
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		US-				1-1
		US-				1-1
		US-				1-1

FOREIGN PATENT DOCUMENTS						
Examiner Initials ¹	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³ –Number ⁴ –Kind Code ⁵ (if known)				

Examiner Signature		Date Considered	
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Substitute for form 1449/PTO <h2 style="margin: 0;">INFORMATION DISCLOSURE STATEMENT BY APPLICANT</h2> <p style="margin: 5px 0;">(use as many sheets as necessary)</p>				Complete if Known	
		Application Number	10/688,471		
		Filing Date	10/16/2003		
		First Named Inventor	Xie		
		Group Art Unit	2171		
		Examiner Name			
Sheet	3	of	5	Attorney Docket Number	MS1-1643US

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
		FAN et al., "Visual Attention Based Image Browsing on Mobile Devices" 4 pages	
		ZADEH, L.A., "Probability Measures of Fuzzy Events" Journal of Mathematical Analysis and Applications, 23, 1968, pp 421-427	
		WOLFE, J.M., "Developing Visual Attention: The Guided Search Model" AI and the Eye Chapter 4, 1990, pp 79-103	
		TSOTSOS, J.K. et al., "Modeling Visual Attention Via Selective Tuning" Artificial Intelligence" v78, 1995, pp507-545	
		NIEBER et al., "Computational Architectures for Attention" The Attentive Brain Chapter 9, pp 163-186	
		HELD, Gibert, "Focus on Agere System's Orinoco PC Card" International Journal of Network Management, January 2002, pp 187-193	
		DENG, et al., "Peer Group Filtering and Perceptual Color Image Quantization" Proceedings of IEEE International Symposium on Circuits and Systems, v4, 1999, pp 21-24	
		ZABIH, Ramin, "A Feature-Based Algorithm for Detecting and Classifying Scene Breaks" Computer Science Department, Cornell University, 16 pages	
		LIENHART et al., "On the Detection and Recognition of Television Commercials" University of Mannheim, 17 pages	
		HARGROVE, Thomas, "Logo Detection in Digital Video" Math 100, 03/06/2001 http://toonarchive.com/logo-detection/ , 9 pages	
		http://www.fatalfx.com/nomad/ "NOMAD (No More Advertising)" February 17, 2003, 4 pages	
		SADLIER, David, "Automatic TV Advertisement Detection from MPEG Bitstream" Centre for Digital Video Processing/Research Institute for Network & Communication Eng., Dublin City University, 12 pages	
		SANCHEZ, Juan Maria, "AudiCom: A Video Analysis System for Auditing Commercial Broadcasts" Computer Vision Department d'Informatica Universitat Autonoma de Barcelona, 5 pages	

Examiner Signature	Date Considered
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¹ Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 120 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing the this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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Substitute for form 1449/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)				Complete if Known	
				Application Number	10/688,471
				Filing Date	10/16/2003
				First Named Inventor	Xie
				Group Art Unit	2171
				Examiner Name	
Sheet	4	of	5	Attorney Docket Number	MS1-1643US

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
		LU, Lie et al., "A Robust Audio Classification and Segmentation Method" Microsoft Research, China, 9 pages	
		LU Lie et al., "Content Analysis for Audio Classification and Segmentation" IEEE, Transactions on Speech and Audio Processing, v10, no7, October 2002, pp 504-516	
		LU Lie et al., "Content-Based Audio Segmentation Using Support Vector Machines" IEEE, 2001, pp 956-959	
		JHA, Uma S., "Wireless Landscape-Need for Seamless Connectivity" Wireless Personal Communications, 2002, pp 275-283	
		CHERRY, Steven, "Pesky Home Networks Trouble cable Behemoths" IEEE Spectrum, April 2002, pp 60-61	
		SAHOO et al., "Threshold Selection Using a Minimal Histogram Entropy Difference" Optical Engineering, v36, no7, July 1997, pp 1976-1981	
		MILANESE, et al., "Attentive Mechanisms for Dynamic and Static Scene Analysis" Optical Engineering v34, no8, August 1995, pp 2428-2434	
		JING et al., "An Effective Region-Based Image Retrieval Framework" From ACM Multimedia 2002, 28 pages	
		LI, et al., "Statistical Learning of Multi-View Face Detection" Proceedings of ECCV 2002, 25 pages	
		Ahmed, S., "Visit: A Neural Model of Covert Visual Attention" Advances in Neural Information Processing Systems, v4, 1991, pp 420-427	
		BALUJA et al., "Expectation-Based Selective Attention for Visual Monitoring and Control of a Robot Vehicle" Robotics and Autonomous Systems v22, no3-4, December 1997, pp 329-344	
		MA, et al., "A User Attention Model for Video Summarization" Proceedings of ICIP, 2002	
		CHEN, et al., "A Visual Attention Model for Adapting Images on Small Displays" ACM Multimedia Systems Journal, 2003	
		YUSOFF, et al., "Video Shot Cut Detection Using Adaptive Thresholding" University of Surrey, 2000, pp 1-10	

Examiner Signature		Date Considered	
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¹ Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached.

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Substitute for form 1449/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)				Complete if Known	
				Application Number	10/688,471
				Filing Date	10/16/2003
				First Named Inventor	Xie
				Group Art Unit	2171
				Examiner Name	
Sheet	5	of	5	Attorney Docket Number	MS1-1643US

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
		LELESCU, et al., "Real-time Scene Change Detection on Compressed Multimedia Bitstream Based on Statistical Sequential Analysis" IEEE, 2000, pp 1141-1144	
		HENG, et al., "Post Shot Boundary Detection Technique: Flashlight Scene Determination" University of Western Australia, 1999, pp 447-450	
		O'TOOLE, "An MPEG-1 Shot Boundary Detector Using XIL Colour Histograms" Dublin City University, 1998, pp 1-7	
		GAMAZ et al., "Robust scene-change detection in MPEG compressed domain" Electrical & Computer Engineering, 1998, pp 95-99	
		GU, et al., "Dissolve Detection in MPEG Compressed Video" IEEE, 1997, pp 1692-1696	
		YEO, et al., "Rapid Scene Analysis on Compressed Video" IEEE, 1995, pp 533-544	
		DIVAKARAN, et al., "Video Summarization Using Descriptors of Motion Activity: A Motion Activity Based Approach to Key-Frame Extraction From Video-Shots" Journal of Electronic Imaging, October 2001, v10 no4 pp 909-916	

Examiner Signature		Date Considered	
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